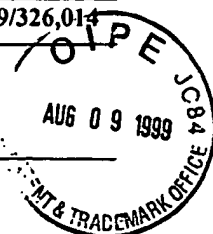


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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>M</i>	A1	943,940	02/02/79	Jaffe			Abstract only
	A2	3,523,906	08/11/70	Vrancken et al.	252	316	
	A3	3,523,907	08/11/70	Vrancken et al.	252	316	
	A4	3,577,515	05/04/71	Vandegaer	424	32	
	A5	3,645,911	02/29/72	van Besauw et al.	252	316	
	A6	4,000,290	12/28/76	Itzerott	424	270	
	A7	4,142,526	03/06/79	Ciotti et al.			Abstract only
	A8	4,155,741	05/22/79	Scher et al.	71	65	
	A9	4,172,119	10/23/79	Kuchner et al.	424	32	
	A10	4,186,185	01/29/80	Capozza	424	19	
	A11	4,230,809	10/28/80	Heinrich et al.	521	65	
	A12	4,235,872	11/25/80	Tocker	424	19	
	A13	4,272,398	06/09/81	Jaffe			Abstract only
	A14	4,363,815	12/14/82	Van Scott et al.			Abstract only
	A15	4,479,911	09/25/93	Sandoz, Inc.			Abstract only
	A16	4,479,961	10/30/84	Martin	424	270	
	A17	4,534,783	08/13/85	Beestman	71	27	
	A18	4,563,212	01/07/86	Becher et al.	71	118	
	A19	4,585,482	04/29/86	Gilley et al.			Abstract only
	A20	4,622,244	11/11/86	Lapka et al.	427	213.32	
	A21	4,637,905	01/20/87	Gardner	264	4.3	
<i>V</i>	A22	4,640,709	02/03/87	Beestman	71	100	

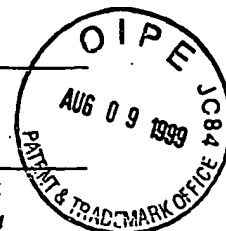
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✓	A23	4,652,441	03/24/87	Okada et al.	424	19	
	A24	4,664,696	05/12/87	Schaub	71	92	
	A25	4,723,984	02/09/88	Holmwood et al.	71	76	
	A26	4,915,947	04/10/90	Thenard et al.	424	408	
	A27	4,937,254	06/26/90	Sheffield et al.			Abstract only
	A28	4,965,128	10/23/90	Albers et al.			Abstract only
	A29	5,225,278	07/06/93	Kielbania, Jr. et al.	428	402.22	
	A30	5,271,961	12/21/93	Bernstein et al.			Abstract only
	A31	5,277,979	01/11/94	Kielbania, Jr. et al.	428	402.21	
	A32	5,360,892	11/01/94	Bonsignore et al.	528	354	
	A33	5,484,881	01/16/96	Eichen et al.			Abstract only
	A34	5,512,600	04/30/96	Langer et al.			Abstract only
✓	A35	5,536,807	07/16/96	Gruber et al.			Abstract only
	A36	5,725,869	03/10/98	Lo	424	408	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
✓	B1	DE 1 960 430	07/15/71	Germany	451	17/00	No
	B2	DE 3 406 993	09/06/84	Germany			Abstract only
	B3	DE 3 737 888	05/18/89	Germany			Abstract only
✓	B4	EP 0 004 758	10/17/79	EPO	A01N	9/12	No

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✓	B5	EP 0 018 119	10/29/80	EPO	A01N	25/26	No
✓	B6	EP 0 196 038	10/01/86	EPO	C07D	405/06	No
✓	B7	EP 0 255 752	02/10/88	EPO	C05G	3/00	No
✓	B8	EP 0 287 346	10/19/88	EPO	—	—	Abstract only
✓	B9	EP 0 300 777	01/25/89	EPO	—	—	No
✓	B10	EP 0 330 180	09/23/93	EPO	—	—	Abstract only
✓	B11	EP 0 415 569	03/06/91	EPO	—	—	No
✓	B12	EP 0 458 061	11/27/91	EPO	—	—	Abstract only
✓	B13	EP 0 661 250	07/05/95	EPO	C05G	3/00	No
✓	B14	EP 0 729 700	09/04/96	EPO	A01N	25/04	No
✓	B15	EP 0 763 510	03/19/97	EPO	C05G	3/00	No
✓	B16	JP 05286966	01/20/94	Japan	—	—	Abstract only
✓	B17	JP 07053685	05/08/95	Japan	—	—	Abstract only
✓	B18	JP 1-106817	04/24/89	Japan	—	—	No
✓	B19	JP 58-144304	08/27/83	Japan	—	—	Abstract only
✓	B20	JP 59-020209	02/01/84	Japan	—	—	Abstract only
✓	B21	JP 60048923	09/25/93	Japan	—	—	Abstract only
✓	B22	JP 61-236820	10/22/86	Japan	—	—	No
✓	B23	WO 88/08300	11/03/88	PCT WO	—	—	No
✓	B24	WO 89/07935	09/08/89	PCT WO	—	—	Abstract only

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M	B25	WO 90/03732	04/19/90	PCT WO	—	—	Abstract only
	B26	WO 91/11306	08/08/91	PCT WO	—	—	Abstract only
	B27	WO 92/05866	04/16/92	PCT WO	—	—	Abstract only
	B28	WO 93/20138	12/02/93	PCT WO	—	—	Abstract only
N	B29	WO 96/37103	11/28/96	PCT WO	A01N	37/46	No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
M	C1	Bateman, "Formulation of Soil-Applied Fungicides for Controlling Take-All (<i>Gaeumannomyces graminis</i> var. <i>tritici</i>) in Experiments with Pot-Grown Wheat," <i>Zeitschrift fur Pflanzenkrankheiten und Pflanzenschutz</i> (1982), Vol. 89, No. 8/9, pp. 480-486. (Abstract only)
	C2	Carter et al., "Temperature-activated Release of Trifluralin and Diazinon," <i>Pesticide Formulations and Application Systems: 11th volume, (1992), Proceedings of a Conference on Pesticide Formulations and Application Systems held in San Antonio, USA, 14-15 November 1991</i> , STP series no. 1112.5 ref. (Abstract only)
	C3	Carter et al., "Temperature-Activated Release of Trifluralin and Diazinon," <i>ASTM Spec. Tech. Publ. (1992), STP 1112 (Pestic. Formulations Appl. Syst.: 11th Vol.)</i> , pp. 57-69. (Abstract only)
N	C4	Coffman et al., "Persistence of Several Controlled Release Formulations of Trifluralin in Greenhouse and Field," <i>Weed Sci.</i> (1980), 28(1), pp. 21-3. (Abstract only)

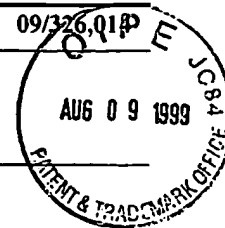
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
M	C5	Greene et al., "Temperature Controlled Pesticide Release Systems," <i>Proceedings of the Brighton Crop Protection Conference, Pests and Diseases</i> (1990), Vol. 2, pp. 593-598. (Abstract only)
M	C6	Jaffe et al., "Injectable Formulations for Controlled Release of Pesticides Against Ticks on Cattle," <i>Proc.-Int. Controlled Release Pestic. Symp.</i> (1977), pp. 272-84. (Abstract only)
M	C7	Jaffe, "Implantable Systems for Delivery of Insect Growth Regulators to Livestock," <i>Controlled Release Biact. Mater.</i> , [Symp. Int. Meet. Controlled Release Soc.], 6th (1980), Meeting Date 1979, pp. 237-50. (Abstract only)
M	C8	Koestler, "A Theory of A Mechanism of Action of Encapsulated Herbicides and Insecticides," <i>Pennwalt Corporation</i> , 9 pages. 1990
M	C9	Krishnan et al., "Controlled Release of Bioactive Compounds with Special Reference to Agriculture," <i>Popular Plastics</i> (1978), 23(4), pp. 28-33.
M	C10	Langer et al., "Chemical and Physical Structure of Polymers as Carriers for Controlled Release of Bioactive Agents: A Review," <i>JMS-Rev. Macromol. Chem. Phys.</i> (1983), C23(1), pp. 61-126.
M	C11	Markus et al., "Encapsulation of Triphenyltin Hydroxide," <i>J. Microencapsulation</i> (1986), 3(1), pp. 39-42. (Abstract only)
1	C12	Marrs et al., "Seed Treatment with Tefluthrin-a Novel Pyrethroid Soil Insecticide," <i>Monograph - British Crop Protection Council</i> (1988), No. 39, pp. 17-23. (Abstract only)
	C13	Marrs et al., "The Formulation of Pesticides for Convenience and Safety," <i>Outlook on Agriculture</i> (1973), Vol. 7, No. 5, pp. 231-235. (Abstract only)
	C14	Maskell et al., "Chemical Control of Wheat Bulb Fly (<i>Delia coarctata</i>) Attacking Winter Wheat in Eastern England, 1969-1981 I. Insecticidal Seed Treatments," <i>Ann. appl. Biol.</i> (1986), 109, pp. 223-236.
	C15	Mason et al., "In Vivo and In Vitro Evaluation of a Microencapsulated Narcotic Antagonist," <i>J. Pharm. Sci.</i> (1976), 65(6), pp. 847-50. (Abstract only)
	C16	Mathiowitz et al., "Polyanhydride Microspheres: 3. Morphology and Characterization of Systems Made by Solvent Removal," <i>Polymer</i> (1990), Vol. 31, pp. 547-555.

EXAMINER: <i>Mel Green</i>	DATE CONSIDERED: <i>12/10/00</i>
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
u	C17	Mthiowitz et al., "Polyanhydride Microspheres As Drug Carriers I. Hot-Melt Microencapsulation," <i>J. of Controlled Release</i> (1987) 5, pp. 13-22.
	C18	Matthews et al., "Improving Ryegrass Establishment with Microencapsulated Fonofos Insecticide," <i>Crop Protection</i> (1987), Vol. 6, No. 5, pp. 313-319. (Abstract only)
	C19	Meghir, "Microencapsulated Insecticides," <i>Mededelingen van de Faculteit Landbouwwetenschappen Rijksuniversiteit Gent</i> (1980), Vol. 45, pp. 513-527. (Abstract only)
	C20	Ogawa et al., "A New Technique to Efficiently Entrap Leuprolide Acetate into Microcapsules of Polylactic Acid or Copoly (Lactic/Glycolic) Acid," <i>Chem. Pharm. Bull.</i> (1988), 36(3), pp. 1095-1103).
	C21	Ohtsubo et al., "Formulation Factors Affecting the Efficacy, Phytotoxicity and Rainfastness of Fenitrothion Microcapsules for Agricultural Use," <i>J. of Pesticide Science</i> (1991), Vol. 16, No. 4, pp. 609-614. (Abstract only)
	C22	Ohtsubu et al., "Formulation Factors of Pyrethroid Microcapsules Affecting Rainfastness, Phytotoxicity and Mammalian Toxicity," <i>J. of Pesticide Science</i> (1991), Vol. 16, No. 3, pp. 413-418. (Abstract only)
	C23	Pothakamury et al., "Fundamental Aspects of Controlled Release in Foods," <i>Trends in Food Science & Technology</i> (1995), Vol. 6, pp. 397-406.
	C24	Sinclair, "Slow-Release Pesticide System: Polymers of Lactic and Glycolic Acids as Ecologically Beneficial, Cost-Effective Encapsulating Materials," <i>Environmental Science & Technology</i> (1973), Vol. 7, No. 10, pp. 955-956.
	C25	Stock, "Achieving Optimal Biological Activity from Crop Protection Formulations: Design or Chance?," <i>Proc. Br. Crop Prot. Conf. Pests Dis</i> (1996), 3, pp. 791-800. (Abstract only)
	C26	Thies, C., "Formation of Degradable Drug-Loaded Microparticles by In-Liquid Drying Processes," <i>Microparticles and Nanoparticles in Medicine and Pharmacy</i> , M. Donbrow, ed., CRC Press, Boca Raton, FL (1992), pp. 47-71.
V	C27	Thompson et al., "Control of Cotton Leak of Cucumber with Different Formulations of Metalaxyl Applied at Various Rates and Times," <i>Phytopathology</i> (1985), 75, No. 11, pp. 1362-63. (Abstract only)

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